

ABSTRACT OF THE DISCLOSURE

The present invention can improve and/or modify data retention lifetimes for ferroelectric devices by baking them prior to or during packaging. A ferroelectric device is programmed to a particular state and then baked for a selected period of time at a selected temperature. This pre-baking or imprinting causes the device to be imprinted or have a preference for the particular state and reduces loss of signal margin over time, thereby at least partially preserving data retention capabilities.

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